

Comparisons of Job Characteristics

Focus Occupation: [Diagnostic Medical Sonographers \(29-2032\)](#)

Associated Occupation: [Nuclear Medicine Technologists \(29-2033\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Diagnostic Medical Sonographers (29-2032)
Associated Occupation: Nuclear Medicine Technologists (29-2033)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Customer and Personal Service	11.3	17.9	17.5	0	Current knowledge level may be sufficient
Mathematics	9.2	13.1	8.8	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	12.9	10.1	<	Expanded education and/or training may be required
Medicine and Dentistry	3.7	12.9	14.6	>	Current knowledge level is likely sufficient
Biology	3.7	12.0	7.2	<<	Extensive education and/or training may be required
Chemistry	4.8	11.2	5.0	<<	Extensive education and/or training may be required
Physics	4.3	9.9	14.0	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Diagnostic Medical Sonographers (29-2032)
Associated Occupation: Nuclear Medicine Technologists (29-2033)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Science	4.5	10.1	10.3	0	Current skill level may be sufficient
Quality Control Analysis	5.9	8.1	8.1	0	Current skill level may be sufficient
Equipment Maintenance	3.5	5.9	6.7	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 92			
Focus Occupation: Diagnostic Medical Sonographers (29-2032) Associated Occupation: Nuclear Medicine Technologists (29-2033)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	13.9	13.6	0	Current ability level may be sufficient
Oral Expression	12.4	13.3	13.5	0	Current ability level may be sufficient
Near Vision	11.1	12.6	12.8	0	Current ability level may be sufficient
Information Ordering	9.9	11.5	9.6	<	Some improvement in abilities may be required
Written Comprehension	11.0	11.1	10.8	0	Current ability level may be sufficient
Problem Sensitivity	11.1	10.8	11.0	0	Current ability level may be sufficient
Speech Recognition	9.9	10.7	10.4	0	Current ability level may be sufficient
Written Expression	9.8	10.5	11.0	0	Current ability level may be sufficient
Dynamic Strength	3.5	5.4	4.4	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 93
Focus Occupation: Diagnostic Medical Sonographers (29-2032) Associated Occupation: Nuclear Medicine Technologists (29-2033)		
Work Activities	Exclusivity of Activity	
Analyze medical data	57	
Collect clinical data	56	
Communicate technical information	4	
Explain testing procedures to patient	87	
Follow dental or medical office procedures	68	
Follow patient observation procedures	71	
Identify body response variations	57	
Inventory medical supplies or instruments	67	
Make presentations on health or medical issues	50	
Observe patient condition	48	
Prepare patients for tests, therapy, or treatments	70	
Understand technical operating, service or repair manuals	6	
Use clinical sterilizing technique	71	
Use emergency medical procedures	64	

Use hazardous materials information	35
Use knowledge of medical terminology	40
Use medical diagnostic equipment	87
Use quality assurance techniques	61
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 73

Focus Occupation: Diagnostic Medical Sonographers (29-2032)
Associated Occupation: Nuclear Medicine Technologists (29-2033)

Tools and Technologies	Exclusivity
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1
Industry specific software	1
Information exchange software	1
Injection and aspiration needles and accessories	25
Intravenous and arterial tubing and administration sets and related products	22
Medical radiological imaging information and archiving products	43
Medical radiological positioning aids	47
Medical radiological shielding and protection products	31
Medical ultrasound and doppler and echo imaging products	19
Specimen collection and transport containers and supplies	14
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.